DRILL HOLES

Border Rev. Date: March 27, 2012

NOTE: MD 97 IS ASSUMED TO RUN IN A NORTH–SOUTH DIRECTION.

EXISTING SIGNALS

20,25

12"
(BLACK–FACED)

– RED LIGHT CAMERA OR FLASH

EXISTING SIGNS

39,40,43,44

41,45

42,46

PROPOSED SIGNS

35A,38B | 35B,38A

Georgia Ave. <14000	Georgia Ave. 14000 >

D3–2
(DUAL FACED)
VARIABLE X 16"

27A,29B | 27B,29A

Connecticut Ave. 14000 >	Connecticut Ave. <14000

D3–2
(DUAL FACED)
VARIABLE X 16"

33 — ONLY — R3–5a 30" x 36"

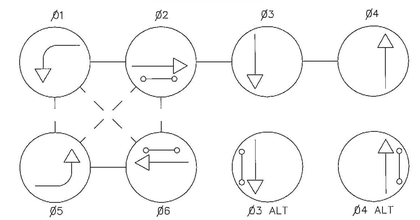
28 — LEFT TURN YIELD ON GREEN — R10–12 36"x 42"

26, 30–32, 36 — ONLY — R3–5L 30"x 36"

34 — R3–6R 30" x 36"

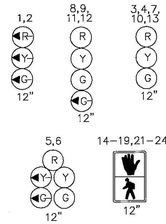
37 — R3–6 30" x 36"

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

PROPOSED SIGNALS



ALL SIGNALS ARE TO BE BLACK FACED
– VIDEO DETECTION CAMERA (A–E)
– SURVEILLANCE CAMERA

THIS DRAWING IS ISSUED AND STAMPED FOR RED LIGHT CAMERA INSTALLATION IN THE CLOUDED AREA ONLY

IF AN EXISTING CONDUIT IS MORE THAN 40% FULL, ADDITIONAL CONDUIT WILL BE INCLUDED AS NEEDED.

POWER METER PEDESTALS ARE TO BE PROVIDED BY THE SUBCONTRACTOR PER THE SPECIFICATIONS PROVIDED BY THE D.O.T. AND MEET THE REQUIREMENTS PER THE LOCAL CODE

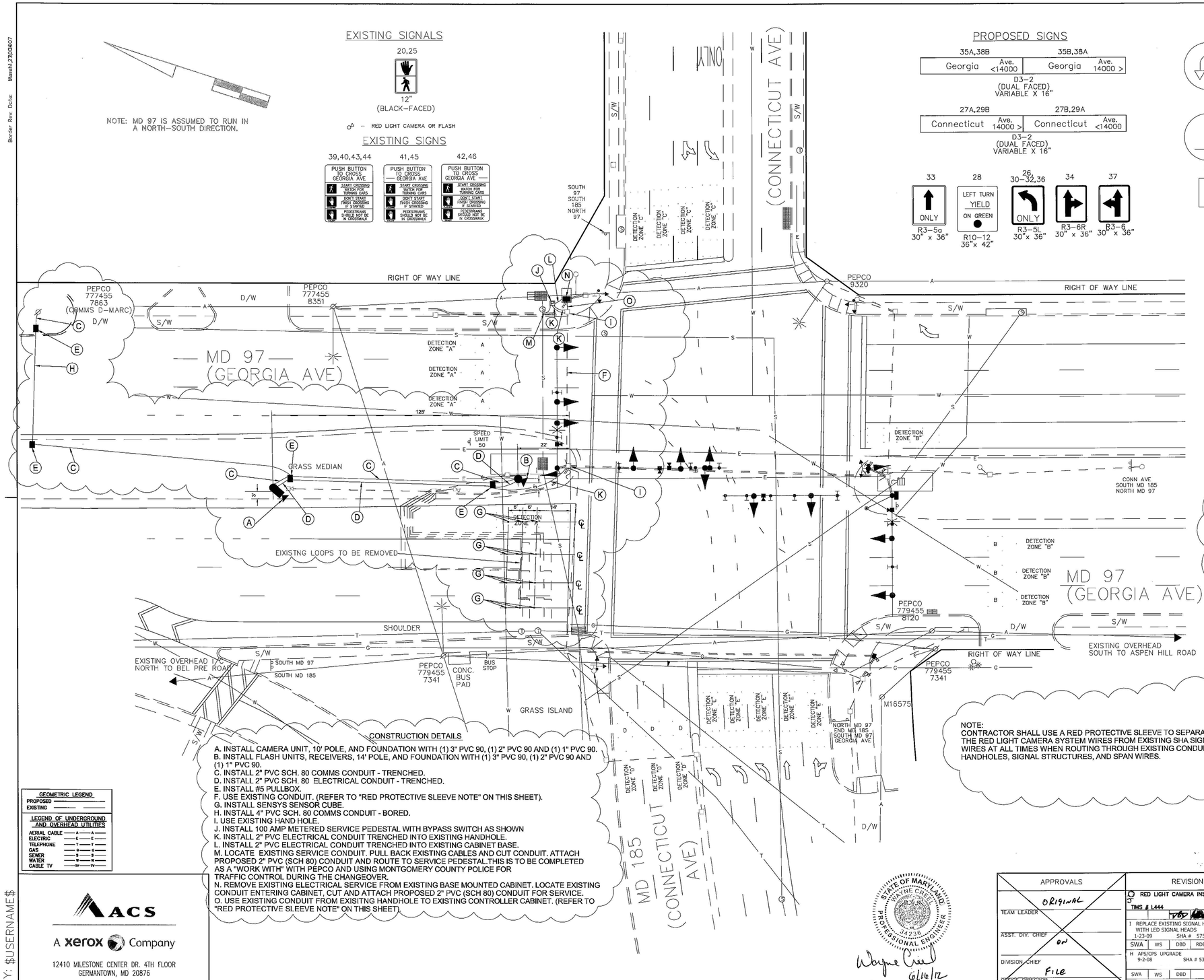
NOTE:
CONTRACTOR SHALL INSTALL JET LINE IN NEW COMMS CONDUIT FOR PULLING OF FUTURE CABLE

SPECIAL NOTE:
CONTRACTOR SHALL TEST PIT TO VERIFY LOCATION OF EXISTING CONDUIT AND UTILITY RUNS THAT WILL BE IN CLOSE PROXIMITY TO NEW EQUIPMENT INSTALLATIONS.

NOTE:
CONTRACTOR SHALL REFER TO MDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS SECTION 603.03.01 (B-1) FORMS, SECTION 603.03.01 (C) CONCRETE, AND SECTION 603.03.01 (E) JOINTS FOR SIDEWALK REPAIR

NOTE:
CONTRACTOR SHALL REFER TO SHA STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES STANDARD NUMBERS MD 655.01, MD 655.02, MD 655.11, MD 655.12, AND MD 655.13 FOR REPAIR OF SIDEWALK EXPANSION JOINTS, SIDEWALK PASSING ZONES, SIDEWALK RAMPS, AND ADA RAMPS.

NOTE:
CONTRACTOR SHALL USE A RED PROTECTIVE SLEEVE TO SEPARATE THE RED LIGHT CAMERA SYSTEM WIRES FROM EXISTING SHA SIGNAL WIRES AT ALL TIMES WHEN ROUTING THROUGH EXISTING CONDUIT, HANDHOLES, SIGNAL STRUCTURES, AND SPAN WIRES.



CONSTRUCTION DETAILS

A. INSTALL CAMERA UNIT, 10' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90.
B. INSTALL FLASH UNITS, RECEIVERS, 14' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90.
C. INSTALL 2" PVC SCH. 80 COMMS CONDUIT - TRENCHED.
D. INSTALL 2" PVC SCH. 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL #5 PULLBOX.
F. USE EXISTING CONDUIT. (REFER TO "RED PROTECTIVE SLEEVE NOTE" ON THIS SHEET).
G. INSTALL SENSYS SENSOR CUBE.
H. INSTALL 4" PVC SCH. 80 COMMS CONDUIT - BORED.
I. USE EXISTING HAND HOLE.
J. INSTALL 100 AMP METERED SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN
K. INSTALL ELECTRICAL CONDUIT TRENCHED INTO EXISTING HANDHOLE.
L. INSTALL 2" PVC ELECTRICAL CONDUIT TRENCHED INTO EXISTING CABINET BASE.
M. LOCATE EXISTING SERVICE CONDUIT. PULL BACK EXISTING CABLES AND CUT CONDUIT. ATTACH PROPOSED 2" PVC (SCH 80) CONDUIT AND ROUTE TO SERVICE PEDESTAL.THIS IS TO BE COMPLETED AS A "WORK WITH" WITH PEPCO AND USING MONTGOMERY COUNTY POLICE FOR TRAFFIC CONTROL DURING THE CHANGEOVER.
N. REMOVE EXISTING ELECTRICAL SERVICE FROM EXISTING BASE MOUNTED CABINET. LOCATE EXISTING CONDUIT ENTERING CABINET, CUT AND ATTACH PROPOSED 2" PVC (SCH 80) CONDUIT FOR SERVICE.
O. USE EXISTING CONDUIT FROM EXISITNG HANDHOLE TO EXISTING CONTROLLER CABINET. (REFER TO "RED PROTECTIVE SLEEVE NOTE" ON THIS SHEET).

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A — A
ELECTRIC	E — E
TELEPHONE	T — T
GAS	G — G
SEWER	S — S
WATER	W — W
CABLE TV	TV — TV

ACS
A xerox Company
12410 MILESTONE CENTER DR. 4TH FLOOR
GERMANTOWN, MD 20876

STATE OF MARYLAND
WAYNE C. REED
34236
PROFESSIONAL ENGINEER
6/16/12

APPROVALS	
TEAM LEADER	ORIGINAL
ASST. DIV. CHIEF	ON
DIVISION CHIEF	FILE
OFFICE DIRECTOR	

REVISIONS					
3 RED LIGHT CAMERA INSTALLATION TIMS # L444					06/14/12
2 REPLACE EXISTING SIGNAL HEADS WITH LED SIGNAL HEADS 1-23-09 SHA # 5755186	SWA	WS	DBD	RDB	WH TH 1/28
1 APS/CPS UPGRADE 9-2-08 SHA # 5325133	SWA	WS	DBD		MP

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
MD 97 (GEORGIA AVE.) SB AND MD185 (CONNECTICUT AVE.)

SCALE 1"= 20' ADVERTISED DATE 8/04/69 CONTRACT NO. BW1448013

DESIGNED BY J Spence
DRAWN BY J Spence
CHECKED BY
F.A.P. NO.

COUNTY MONTGOMERY
LOGMILE 15009707.00
TIMS NO.
TOD NO.

DRAWING NO. 31J — OF — SHEET NO. 1 OF 2

BY: $USERNAME$

6/15/2012 10:03:32 AM